

What is claimed is:

1. A system for providing an Internet service in a non-IP based network, comprising:

5 a first server connected to a non-IP based network and having an application program as installed; and

a second server connected to a non-IP based network and an IP based network (the Internet) and having the application program as installed, so that a service corresponding to an Internet service request is provided to the Internet according to the Internet service request received from the Internet.

2. The system of claim 1, wherein the non-IP based network is a digital network such as a HAVi (Home Audio/Video interoperability).

3. The system of claim 1, wherein the Internet service is transmitted in a digital format or a Web document format.

4. The system of claim 1, wherein the Internet service is accessed from the Internet to the first and the second servers to control the first and the second servers.

5. The system of claim 1, wherein the first server comprises:
a data processing protocol layer for transmitting and receiving a data to and from the non-IP based network; and
25 an application program layer for providing an Internet service.

6. The system of claim 5, wherein the data is a digital format or a message format.

7. The system of claim 5, wherein the application program layer processes a Web document.

8. The system of claim 1, wherein the second server comprises:
a data processing protocol layer for transmitting and receiving a data to and from the non-IP based network;

a TCP/IP protocol layer for processing the data to be transmitted and received to and from the non-IP based network;

an interface layer for transmitting and receiving the data processed at the TCP/IP protocol layer to and from the non-IP based network; and

an application program layer for connecting the first server which provides an Internet service and is connected to the non-IP based network, to the IP based network.

9. The system of claim 1, wherein the second server is connected to a plurality of first servers to serve as a proxy.

10. A method for providing an Internet service in a non-IP based network, comprising:

a step in which a non-IP based network receives an Internet service request from the Internet; and

a step in which the non-IP based network provides the Internet service

corresponding to the received Internet service request to the Internet.

11. The method of claim 9, wherein in the step of receiving the Internet service request from the Internet, comprises

5 a step in which the second server positioned between the Internet and the non-IP based network determines whether the requested Internet service is a service to be provided by itself;

a step in which when the server determines that the requested Internet service is a service to be provided by itself, the server provides its own service to the Internet, while, otherwise, the server transmits an Internet service start signal to the first server connected to the non-IP based network; and

a step in which the Internet service is received from the first server.

12. A system for providing an Internet service in a non-IP based network, comprising:

a first appliance for controlling and communicating the non-IP based network with the internet; and

a second appliance which is connected with the first appliance for providing the internet service to an appliance connected with the internet via the first appliance when the internet service is requested by the appliance connected to the Internet via the first appliance.

13. The system according to claim 12, wherein the first appliance functions a proxy server for controlling and communicating between the appliance connected with the internet and the second appliance.

14. The system according to claim 12, wherein the second appliance functions a server for providing its own information.

5 15. The system according to claim 12, wherein the non-IP based network is capable of connecting a plurality of appliances functioned as the second appliance.

10 16. The system according to claim 15, wherein the function of the first appliance is changed to one of the plurality of appliances and the second appliance.